

Micromirror Truss Structure and Fabrication Method

ABSTRACT

5 A micromirror (110) includes a frame portion (112), a gimbal portion (114) and
a mirror portion (116) formed from a single piece of material. A plurality of truss
members (140/142) are disposed beneath the gimbal portion (114) and mirror portion
(116), allowing the gimbal and mirror portions (114/116) to be made of a thinner
material, reducing the mass and increasing the resonant frequency of the micromirror
10 device (110).